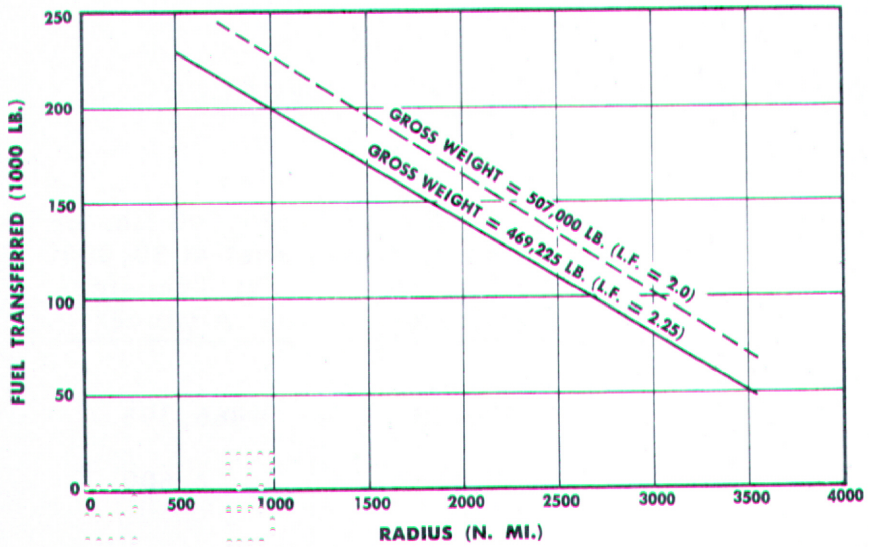
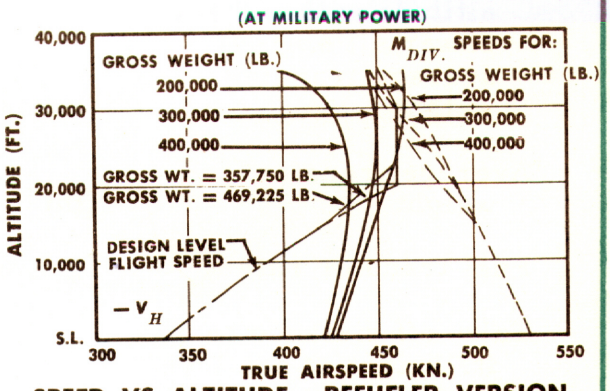



FUEL TRANSFERRED VS RADIUS

The IFR airplane design point mission is to transfer 110,000 lb. of fuel to two receiver airplanes simultaneously at a radius of 2,500 nautical miles. Fuel for range and fuel for transfer are interchangeable as shown in the adjacent figure. The fuel transferred vs. radius is approximately the same for 20,000 ft. or 30,000 ft. transfer altitudes. Calculations were made in accordance with Mil-C-5011A.




SPEED VS ALTITUDE – REFUELER VERSION

This figure shows the refueler version level flight transfer speeds with military power and two hoses and drogues extended. These speeds would be increased approximately 10 knots if only one hose and drogue were extended. Structural placard level flight speeds are also shown. The Mach number for drag divergence of the airplane shows the speed potentials.